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OM protein - protein search, using sw model

Run on: January 3, 2003, 13:01:35 ; Search time 5 seconds  
(without alignments)  
58.846 Million cell updates/sec

Title: US-09-801-784A-36

Perfect score: 50

Sequence: 1 PSAVALTYSP 10

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Minimum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database:

Issued Patents AA:\*  
1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50	100.0	36	5	PCT-US96-08730-1
2	50	100.0	37	2	US-08-460-617-3
3	50	100.0	37	2	US-08-460-617-4
4	50	100.0	37	5	PCT-US96-08730-15
5	44	88.0	36	2	US-08-460-617-2
6	44	88.0	36	5	PCT-US96-08730-2
7	44	88.0	37	2	US-08-460-617-5
8	44	88.0	37	5	PCT-US96-08730-4
9	44	88.0	148	2	US-08-483-101-10
10	44	88.0	171	2	US-08-483-101-11
11	42	84.0	37	2	US-08-460-617-6
12	42	84.0	37	5	PCT-US96-08730-5
13	42	84.0	117	5	PCT-US96-08730-11
14	40	80.0	37	5	PCT-US96-08730-3
15	40	80.0	147	5	PCT-US96-08730-9
16	40	80.0	170	1	US-08-460-739-3
17	40	80.0	170	2	US-08-483-101-11
18	35	70.0	36	2	US-08-460-617-7
19	35	70.0	36	5	PCT-US96-08730-6
20	35	70.0	40	5	PCT-US96-08730-12
21	35	70.0	51	5	PCT-US96-08730-13
22	35	70.0	374	4	US-09-347-878-52
23	35	70.0	386	4	US-09-370-838-81
24	34	68.0	2016	4	US-09-634-920-4
25	33	66.0	335	4	US-08-961-083-52
26	33	66.0	336	4	US-08-987-121A-4
27	33	66.0	336	4	US-09-066-512-2

28	33	66.0	1077	4	US-09-412-210-1	Sequence 1, Appl1
29	33	66.0	1399	4	US-08-462-467B-14	Sequence 14, Appl1
30	33	66.0	1495	4	US-08-462-467B-12	Sequence 12, Appl1
31	32	64.0	239	4	US-09-532-856-10	Sequence 10, Appl1
32	32	64.0	280	4	US-09-601-478-5	Sequence 5, Appl1
33	32	64.0	280	4	US-09-601-478-8	Sequence 8, Appl1
34	31.5	63.0	3289	2	US-08-477-451-2	Sequence 2, Appl1
35	31	62.0	38	1	US-08-176-500-56	Sequence 56, Appl1
36	31	62.0	38	1	US-08-471-052A-56	Sequence 56, Appl1
37	31	62.0	38	1	US-08-189-311-56	Sequence 56, Appl1
38	31	62.0	38	2	US-08-471-919-56	Sequence 56, Appl1
39	31	62.0	38	2	US-08-471-800-56	Sequence 56, Appl1
40	31	62.0	38	2	US-08-471-068-56	Sequence 56, Appl1
41	31	62.0	40	5	PCT-US96-08730-14	Sequence 14, Appl1
42	31	62.0	170	2	US-08-483-101-3	Sequence 3, Appl1
43	31	62.0	414	2	US-08-984-171-1	Sequence 1, Appl1
44	31	62.0	657	3	US-08-508-761B-2	Sequence 2, Appl1
45	31	62.0	688	4	US-09-367-206-20	Sequence 20, Appl1

#### ALIGNMENTS

RESULT 1  
PCT-US96-08730-1  
Sequence 1, Application PC/TUS9608730  
GENERAL INFORMATION:  
APPLICANT: Casels, Frederick  
APPLICANT: Anderson, Jeffrey  
APPLICANT: Carter, John Mark  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
TITLE OF INVENTION: Coils of the Family CSF-CFA./1  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4470  
INFORMATION FOR SEQ. ID NO. 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: Internal  
PCT-US96-08730-1  
Query Match: 100.0%; Score 50; DB 5; Length 36;  
Best Local Similarity: 100.0%; Pred. No. 0.0054;  
Matches: 10; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;



TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 15  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-15

Query Match 100.0%; Score 50; DB 5; Length 37;  
Best Local Similarity 100.0%; Pred. No. 0.0055;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSVAALTYSP 10  
Db 27 PSVAALTYSP 36

## RESULT 5

Sequence 2, Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
COLI  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hendricks and Associates  
STREET: 9669 A Main Street  
CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,617  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: Cas460  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-425-4250  
TELEFAX: 703-425-2767  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE: E coli  
US-08-460-617-2

Query Match 88.0%; Score 44; DB 2; Length 36;  
Best Local Similarity 80.0%; Pred. No. 0.072;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 PSVAALTYSP 10

Db 26 PSVAALTYSP 35

## RESULT 6

PCT-US96-08730-2  
Sequence 2, Application PC/TUS9608730  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick  
APPLICANT: Anderson, Jeffrey  
APPLICANT: Carter, John Mark  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
COLI of the Family CSF-CFA./1  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-2

Query Match 88.0%; Score 44; DB 5; Length 36;  
Best Local Similarity 80.0%; Pred. No. 0.072;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSVAALTYSP 10  
Db 26 PSVAALTYSP 35

## RESULT 7

US-08-460-617-5  
Sequence 5, Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
COLI  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hendricks and Associates  
STREET: 9669 A Main Street  
CITY: Fairfax  
STATE: VA  
COUNTRY: US

ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/460.617  
APPLICATION NUMBER: US/08/460.617  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: cas460  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-425-4250  
TELEFAX: 703-425-2767  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORGANISM: E coli  
US-08-460-617-5

Query Match 88.0%; Score 44; DB 2; Length 37;  
Best Local Similarity 80.0%; Pred. No. 0.074;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10  
|:|||||  
Db 26 PNSVALTYSP 35

RESULT 8  
PCT-US96-08730-4  
; Sequence 4, Application PC/TUS9608730  
; GENERAL INFORMATION:  
; APPLICANT: Cassels, Frederick  
; APPLICANT: Anderson, Jeffrey  
; APPLICANT: Carter, John Mark  
; TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
; TITLE OF INVENTION: Coli of the Family CSF-CFA./1  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Glenna Hendricks  
; STREET: P.O. Box 2509  
; CITY: Fairfax  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-4

Query Match 88.0%; Score 44; DB 5; Length 37;  
Best Local Similarity 80.0%; Pred. No. 0.074;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10  
|:|||||  
Db 26 PNSVALTYSP 35

RESULT 9  
PCT-US96-08730-10  
; Sequence 10, Application PC/TUS9608730  
; GENERAL INFORMATION:  
; APPLICANT: Cassels, Frederick  
; APPLICANT: Anderson, Jeffrey  
; APPLICANT: Carter, John Mark  
; TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
; TITLE OF INVENTION: Coli of the Family CSF-CFA./1  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Glenna Hendricks  
; STREET: P.O. Box 2509  
; CITY: Fairfax  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 148 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-10

Query Match 88.0%; Score 44; DB 5; Length 148;  
Best Local Similarity 80.0%; Pred. No. 0.35;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10  
|:|||||  
Db 26 PNSVALTYSP 35

RESULT 10  
US-08-483-101-10  
Sequence 10, Application US/08483101  
Patent No. 5912715  
GENERAL INFORMATION:  
APPLICANT: Scott, June R.  
APPLICANT: Froehlich, Barbara  
TITLE OF INVENTION: CS2 Proteins and Coding Sequences  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Greenlee and Winner, P.C.  
STREET: 5370 Manhattan Circle, Suite 201  
City: Boulder  
STATE: Colorado  
COUNTRY: US  
ZIP: 80303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/483,101  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Ferber, Donna M.  
REGISTRATION NUMBER: 33878  
REFERENCE/DOCKET NUMBER: 6-95  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 499-8080  
TELEFAX: (303) 499-8089  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 171 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: Protein  
HYPOTHETICAL: NO  
US-08-483-101-10

Query Match 88.0%; Score 44; DB 2; Length 171;  
Best Local Similarity 80.0%; Pred. No. 0.41;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSAAVLTYSYP 10  
Db 49 PMSVLTYSYP 58

RESULT 11  
US-08-460-617-6  
Sequence 6, Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick J  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hendricks and Associates  
STREET: 9669 A Main Street  
City: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,617  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: cas460  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-425-4250  
TELEFAX: 703-425-2767  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: E coli  
US-08-460-617-6

Query Match 84.0%; Score 42; DB 2; Length 37;  
Best Local Similarity 80.0%; Pred. No. 0.16;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAAVLTYSYP 10  
Db 26 PTAVELTYSYP 35

RESULT 12  
PCT-US96-08730-5  
Sequence 5, Application PC/TUS9608730  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick  
APPLICANT: Anderson, Jeffrey  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
City: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 37 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE: internal  
 PCT-US96-08730 5

Query Match 84.0%; Score 42; DB 5; Length 37;  
 Best Local Similarity 80.0%; Pred. No. 0.18;  
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10  
 DB 26 PTAVALTYSP 35

RESULT 13  
 PCT-US96-08730 11  
 Sequence 11, Application PC/TUS9608730  
 GENERAL INFORMATION:  
 APPLICANT: Cassels, Frederick  
 APPLICANT: Anderson, Jeffrey  
 TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
 TITLE OF INVENTION: Coli of the Family CSF-CFA./1  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Glenna Hendricks  
 STREET: P.O. Box 2509  
 CITY: Fairfax  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22031

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/08730  
 FILING DATE: 03-JUN-1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hendricks, Glenna  
 REGISTRATION NUMBER: 32,535  
 REFERENCE/DOCKET NUMBER: PCT/US96/08730  
 TELEPHONE: (703) 591-4470  
 TELEFAX: (703) 591-4428  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 117 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE: internal  
 PCT-US96-08730 11

Query Match 84.0%; Score 42; DB 5; Length 117;  
 Best Local Similarity 80.0%; Pred. No. 0.64;  
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10  
 DB 26 PTAVALTYSP 35

RESULT 14  
 PCT-US96-08730 3

Sequence 3, Application PC/TUS9608730  
 GENERAL INFORMATION:  
 APPLICANT: Cassels, Frederick  
 APPLICANT: Anderson, Jeffrey  
 APPLICANT: Carter, John Mark  
 TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
 TITLE OF INVENTION: Coli of the Family CSF-CFA./1  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Glenna Hendricks  
 STREET: P.O. Box 2509  
 CITY: Fairfax  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22031

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US96/08730  
 FILING DATE: 03-JUN-1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hendricks, Glenna  
 REGISTRATION NUMBER: 32,535  
 REFERENCE/DOCKET NUMBER: PCT/US96/08730  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 591-4470  
 TELEFAX: (703) 591-4428  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 37 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE: internal  
 PCT-US96-08730 3

Query Match 80.0%; Score 40; DB 5; Length 37;  
 Best Local Similarity 80.0%; Pred. No. 0.42;  
 Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10  
 DB 26 PSAVKLAYSP 35

RESULT 15  
 PCT-US96-08730-9  
 Sequence 9, Application PC/TUS9608730  
 GENERAL INFORMATION:  
 APPLICANT: Cassels, Frederick  
 APPLICANT: Anderson, Jeffrey  
 APPLICANT: Carter, John Mark  
 TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
 TITLE OF INVENTION: Coli of the Family CSF-CFA./1  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Glenna Hendricks  
 STREET: P.O. Box 2509  
 CITY: Fairfax  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22031

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 147 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-9

Query Match 80.0%; Score 40; DB 5; Length 147;  
Best Local Similarity 80.0%; Pred. No. 2;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSAAVLTYP 10  
DB 26 PSAVKLAVSP 35

RESULT 16  
US-08-460-739-3  
Sequence 3, Application US/08460739  
Patent No. 5698416  
GENERAL INFORMATION:  
APPLICANT: Wolf, Marcia K.  
APPLICANT: Casels, Frederick J.  
TITLE OF INVENTION: Improved Methods for Production of  
TITLE OF INVENTION: Antigens Under Control of Temperature-Regulated Promoters  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: 9669 A Main Street  
CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/460,739  
FILING DATE: 20-APR-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna M.  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: wolf2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 425-4250  
TELEFAX: (703) 425-2767  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown

MOLECULE TYPE: protein  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: CFAl protein  
US-08-460-739-3

Query Match 80.0%; Score 40; DB 1; Length 170;  
Best Local Similarity 80.0%; Pred. No. 2.3;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSAAVLTYP 10  
DB 49 PSAVKLAVSP 58

RESULT 17  
US-08-483-101-11  
Sequence 11, Application US/08483101  
Patent No. 5932715  
GENERAL INFORMATION:  
APPLICANT: Scott, June R.  
APPLICANT: Froehlich, Bairdara  
TITLE OF INVENTION: CS2 Proteins and Coding Sequences  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Greenlee and Winner, P.C.  
STREET: 5370 Manhattan Circle, Suite 201  
CITY: Boulder  
STATE: Colorado  
COUNTRY: US  
ZIP: 80303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/483,101  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Farber, Donna M.  
REGISTRATION NUMBER: 33878  
REFERENCE/DOCKET NUMBER: 6-95  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (303) 499-8080  
TELEFAX: (303) 499-8089  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 170 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHEICAL: NO  
US-08-483-101-11

Query Match 80.0%; Score 40; DB 2; Length 170;  
Best Local Similarity 80.0%; Pred. No. 2.3;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSAAVLTYP 10  
DB 49 PSAVKLAVSP 58

RESULT 18  
US-08-460-617-7  
Sequence 7, Application US/08460617  
Patent No. 5914114  
GENERAL INFORMATION:

APPLICANT: Cassels, Frederick J  
TITLE OF INVENTION: Method of Raising Antibodies Against E.  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hendricks and Associates  
STREET: 9669 A Main Street  
CITY: Fairfax  
STATE: VA  
COUNTRY: US  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/460,617  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: cas460  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-425-4250  
TELEFAX: 703-425-2767  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: E coli  
US-08-460 617

Query Match 70.0%; Score 35; DB 2; Length 36;  
Best Local Similarity 66.7%; Pred. No. 3.5;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYS 9  
| :|||  
Db 26 PDSIALTYS 34

RESULT 19  
PCT US96-08730 6  
Sequence 6, Application PC/TUS9608730  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick  
APPLICANT: Anderson, Jeffrey  
APPLICANT: Carter, John Mark  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
TITLE OF INVENTION: Coli of the Family CSP-CFA./1  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 36 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-6

Query Match 70.0%; Score 35; DB 5; Length 36;  
Best Local Similarity 66.7%; Pred. No. 3.5;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYS 9  
| :|||  
Db 26 PDSIALTYS 34

RESULT 20  
PCT-US96-08730-12  
Sequence 12, Application PC/TUS9608730  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick  
APPLICANT: Anderson, Jeffrey  
APPLICANT: Carter, John Mark  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
TITLE OF INVENTION: Coli of the Family CSP-CFA./1  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO



FRAGMENT TYPE: internal  
PCT-US96-08730-12  
Query Match  
Best Local Similarity 70.0%; Score 35; DB 5; Length 40;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 PSAVALTSP 9  
|:|||||  
Db 26 PDSIALTYS 34  
RESULT 21  
PCT-US96-08730-13  
Sequence 13, Application PC/TUS9608730  
GENERAL INFORMATION:  
APPLICANT: Cassels, Frederick  
APPLICANT: Anderson, Jeffrey  
TITLE OF INVENTION: Methods of Raising Antibodies Against E.  
TITLE OF INVENTION: Coli of the Family CSF-CFA./1  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glenna Hendricks  
STREET: P.O. Box 2509  
CITY: Fairfax  
STATE: VA  
COUNTRY: USA  
ZIP: 22031  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08730  
FILING DATE: 03-JUN-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Hendricks, Glenna  
REGISTRATION NUMBER: 32,535  
REFERENCE/DOCKET NUMBER: PCT/US96/08730  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 591-4470  
TELEFAX: (703) 591-4428  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 51 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
PCT-US96-08730-13  
Query Match  
Best Local Similarity 70.0%; Score 35; DB 5; Length 51;  
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 1 PSAVALTSP 10  
|:|||||  
Db 26 PTAVALTSP 35  
RESULT 22  
US-09-347-878-52  
Sequence 52, Application US/09347878C  
GENERAL INFORMATION:  
APPLICANT: Yuan, Chong  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ASSAYING ANALYTES

FILE REFERENCE: 25885-1651  
CURRENT APPLICATION NUMBER: US/09/347,878C  
CURRENT FILING DATE: 1999-07-06  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: Patent Ver. 2.0  
SEQ ID NO 52  
LENGTH: 374  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-347-878-52  
Query Match  
Best Local Similarity 70.0%; Score 35; DB 4; Length 374;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 1 PSAVALTSP 10  
|:|||||  
Db 296 PSAKMLTSP 305  
RESULT 23  
US-09-370-838-81  
Sequence 81, Application US/09370838  
Patent No. 6444425  
GENERAL INFORMATION:  
APPLICANT: Reed, Steven G.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Mohamath, Roadoh  
APPLICANT: Secrist, Heather  
TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF  
FILE REFERENCE: 210121.475C1  
CURRENT APPLICATION NUMBER: US/09/370,838  
CURRENT FILING DATE: 1999-08-09  
EARLIER APPLICATION NUMBER: US 09/285,323  
EARLIER FILING DATE: 1999-04-02  
NUMBER OF SEQ ID NOS: 289  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 81  
LENGTH: 386  
TYPE: PRT  
ORGANISM: Homo sapien  
US-09-370-838-81  
Query Match  
Best Local Similarity 70.0%; Score 35; DB 4; Length 386;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 1 PSAVALTSP 10  
|:|||||  
Db 308 PSAKMLTSP 317  
RESULT 24  
US-09-634-920-4  
Sequence 4, Application US/09634920  
Patent No. 6342357  
GENERAL INFORMATION:  
APPLICANT: Splawski, Igor  
APPLICANT: Keating, Mark T.  
TITLE OF INVENTION: ALTERATIONS IN THE LONG QT SYNDROME GENES KVLQT1 AND  
FILE REFERENCE: 2323-155  
CURRENT APPLICATION NUMBER: US/09/634,920  
CURRENT FILING DATE: 2000-08-09  
PRIOR APPLICATION NUMBER: 60/190,057  
PRIOR FILING DATE: 2000-03-17  
PRIOR APPLICATION NUMBER: 60/147,488  
PRIOR FILING DATE: 1999-06-09  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: Patent Ver. 2.0  
SEQ ID NO 4  
LENGTH: 2016

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/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-614-920 4

Query Match      68.0%; Score 34; DB 4; Length 2016;
Best Local Similarity 60.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10
DB 1002 PSVALTYSP 1011

RESULT 25
US-08 961-083 52
/ Sequence 52, Application US/08961083
/ Patent No. 6,59469
/ GENERAL INFORMATION:
/ APPLICANT: Choi et. al.
/ TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
/ NUMBER OF SEQUENCES: 452
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ COMPUTER: HP Vectra 486/33
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/961,083
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brookes, A. Anders
/ REGISTRATION NUMBER: 36,373
/ REFERENCE/DOCKET NUMBER: PB340P2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (301) 309-8504
/ TELEFAX: (301) 309-8512
/ INFORMATION FOR SEQ ID NO: 52:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 335 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US 08-961-083 52

Query Match      66.0%; Score 33; DB 4; Length 335;
Best Local Similarity 66.7%; Pred. No. 1e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 SAVALTYSP 10
DB 76 TAVAVTYSP 84
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Search completed: January 3, 2003, 13:05:05  
Job time : 5 secs